



**US Army Corps
of Engineers®**
New England District

PUBLIC NOTICE

8 Carmichael Street, Suite 205
Essex Junction, Vermont 05452

Date: February 10, 2009
Comment Period Ends: March 12, 2009
File Number: NAE-2008-435
In Reply Refer To: Marty Abair
Or by e-mail: Martha.a.abair@usace.army.mil

The District Engineer has received a permit application from the applicant below to **conduct work in waters of the United States** as described below. The Corps is soliciting comments on both the project itself and the range of issues to be addressed in the environmental documentation.

APPLICANT: RMR Pacific, LLC, ATTN: Gerald Jackson, P.O. Box 520370, Salt Lake City, Utah 84152

ACTIVITY

Place fill in a total of about 6.66 acres of waters of the United States in conjunction with the restoration, improvement and expansion of the existing facilities at the Ragged Mountain Resort off Ragged Mountain Road in Danbury, New Hampshire.

Golf Course reconstruction will involve:

- redesign and reconfiguration of the 18-hole golf course to upgrade the quality of play
- addition of a practice range and practice green for golf
- construction of a new golf clubhouse
- abandonment of 20 acres of the existing golf course in wetlands

This portion of the project will permanently impact about 97,476 sq. ft. (2.24 acres) of scrub-shrub, forested and emergent wetland and 4127 sq. ft. (0.094 acre/1375 linear ft.) of perennial and intermittent streams and temporarily impact about 610 sq. ft. (0.014 acre) of wetland and 500 sq. ft. (0.01 acre/50 linear ft.) of perennial and intermittent streams. An additional 76,612 sq. ft. (1.76 acre) of forested and scrub-shrub wetland will be cleared.

Residential & Commercial Development will involve the construction of up to 890 residential units in several phases.

Phase 1 includes 120 units and will permanently impact about 16,427 sq. ft. (0.377 acre) of scrub-shrub, forested and emergent wetland and 2820 sq. ft. (0.065 acre/1163 linear ft.) of perennial and intermittent streams and temporarily impact about 144 sq. ft. (0.003 acre) of wetland and 260 sq. ft. (0.006 acre/26 linear ft.) of perennial and intermittent streams.

Conceptual Development will permanently impact a maximum of about 83,976 sq. ft. (1.93 acres) of scrub-shrub, forested and emergent wetland and 13,429 sq. ft. (0.31 acre/3450 linear ft.) of perennial and intermittent streams and temporarily impact about 779 sq. ft. (0.018 acre) of wetland and 1783 sq. ft. (0.04 acre/172 linear ft.) of perennial and intermittent streams.

Ski Improvements and Expansion will involve:

- Improving existing trails
- Improving snowmaking system with new pumping equipment, stationary compressors and energy efficient snow guns
- Improving water supply for snowmaking by expanding storage capacity in existing lower pond, constructing a third storage pond and increasing supply by pumping from Bog Pond.
- Construction of up to three real estate oriented ski lifts and associated trickle trails to allow skier access to homes. (Phase 1 includes one ski lift and trickle trails in the residential area.)
- Potential expansion to Pinnacle Peak to the east of the existing ski area with new trails and a chairlift

This portion of the project will permanently impact about 38,133 sq. ft. (0.875 acre) of scrub-shrub, forested and emergent wetland and 10,099 sq. ft. (0.23 acre/2310 linear ft.) of perennial and intermittent streams. An additional 17,519 sq. ft. (0.40 acre) of forested and scrub-shrub wetland will be cleared. Installation of the pipeline for the Bog Pond withdrawal will temporarily impact about 19,035 sq. ft. (0.44 acre) of wetland. The withdrawal structure will permanently impact about 400 sq. ft. (0.009 acre) of Bog Pond (below OHW).

Utilities

- Potable water for drinking and fire suppression will come from two community drinking water wells, stored in two atmospheric storage tanks
- Wastewater will be treated at a central wastewater treatment plant using a membrane bioreactor system, which provides a very high level of treatment. Effluent discharge will be accomplished via a pressurized sub-surface drip irrigation system.

Storm Water

- The comprehensive storm water management plan will incorporate low impact development methods to reduce runoff and storm water will be treated through the use of forested buffers, rock or vegetated swales, wet and dry detention ponds, treatment swales, etc.

The project will be developed in phases. Phase 1, consisting of golf course reconstruction, 120 residential units and related roads and infrastructure, is proposed to begin in the spring of 2009. The remaining residential development and expansion of the ski area, referred to as The Concept Area, will occur over approximately a ten year time frame, depending on market forces.

In an attempt to mitigate for the direct impacts of the proposed project, the applicant proposes to restore, enhance and preserve approximately 41.1 acres in the lower portion of the existing golf course. This area is a mix of wetland and upland, and forms the southern edge of the Bog Pond wetland complex. Three perennial streams drain through this area to Bog Pond: Gulf, Center and West Brooks. Within the 41.1 acres, 19.9 acres are currently used as golf course and consist of close-mown fairways, tees, and greens, surrounded by less frequently mown herbaceous areas ("roughs"). Several small circular ponds

are located in the golf course; probably borrow pits associated with construction of the raised tees and greens. The remaining 21.2 acres of the site are relatively undisturbed, although the southern portion had historically been pasture or hay field. Approximately 19,214 linear feet of perennial and intermittent stream channel will be enhanced as part of the mitigation effort. These are streams that have been cleared for golf play-over on the existing golf course, where streamside woody vegetation has been mowed annually and in many areas, reverted to emergent marsh. The majority of the stream enhancement will occur within the 41.1 acres in the lower portion of the existing golf course. The remaining stream enhancement will occur within 6.4 acres distributed along streams abandoned in the proposed golf design.

To compensate for indirect impacts of the proposed development, including forest clearing and fragmentation, the applicant proposes to place conservation easements and development restrictions over approximately 1,800 acres of its property.

The purpose of the project is to improve and expand the existing ski and golf facility at Ragged Mountain and to develop the appropriate roads and infrastructure to support a resort residential community.

The work is partially described on the enclosed plans, in thirteen sheets, entitled "RAGGED MOUNTAIN EXPANSION", dated "JANUARY 16, 2009". A complete set of plans can be viewed at the Vermont Project Office or by contacting Walter Elander at Horizons Engineering in Littleton, NH, telephone 603 444-4111.

WATERWAY AND LOCATION OF THE PROPOSED WORK

This work is proposed in various waterways and wetlands at the Ragged Mountain Resort off Ragged Mountain Road in Danbury, New Hampshire. The project is located on the USGS Andover, NH quadrangle sheet centered at UTM coordinates 4817903.0 N and 270011.0 E

AUTHORITY

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899
 Section 404 of the Clean Water Act
 Section 103 of the Marine Protection, Research and Sanctuaries Act).

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed

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FILE NO. NAE-2008-435

activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972 as amended.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. **Comments should be submitted in writing by the above date.** If you have any questions, please contact Marty Abair at (802) 872-2893.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

- a. The permit area has been extensively modified by previous work
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.
- d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.
- e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s)

Pursuant to the Endangered Species Act, the District Engineer is hereby requesting that the appropriate Federal Agency provide comments regarding the presence of and potential impacts to listed species or its critical habitat.

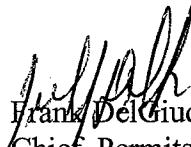
The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

The following authorizations have been applied for, or have been, or will be obtained:

- (X) Permit, License or Assent from State of New Hampshire.
() Permit from Local Wetland Agency or Conservation Commission.
(X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

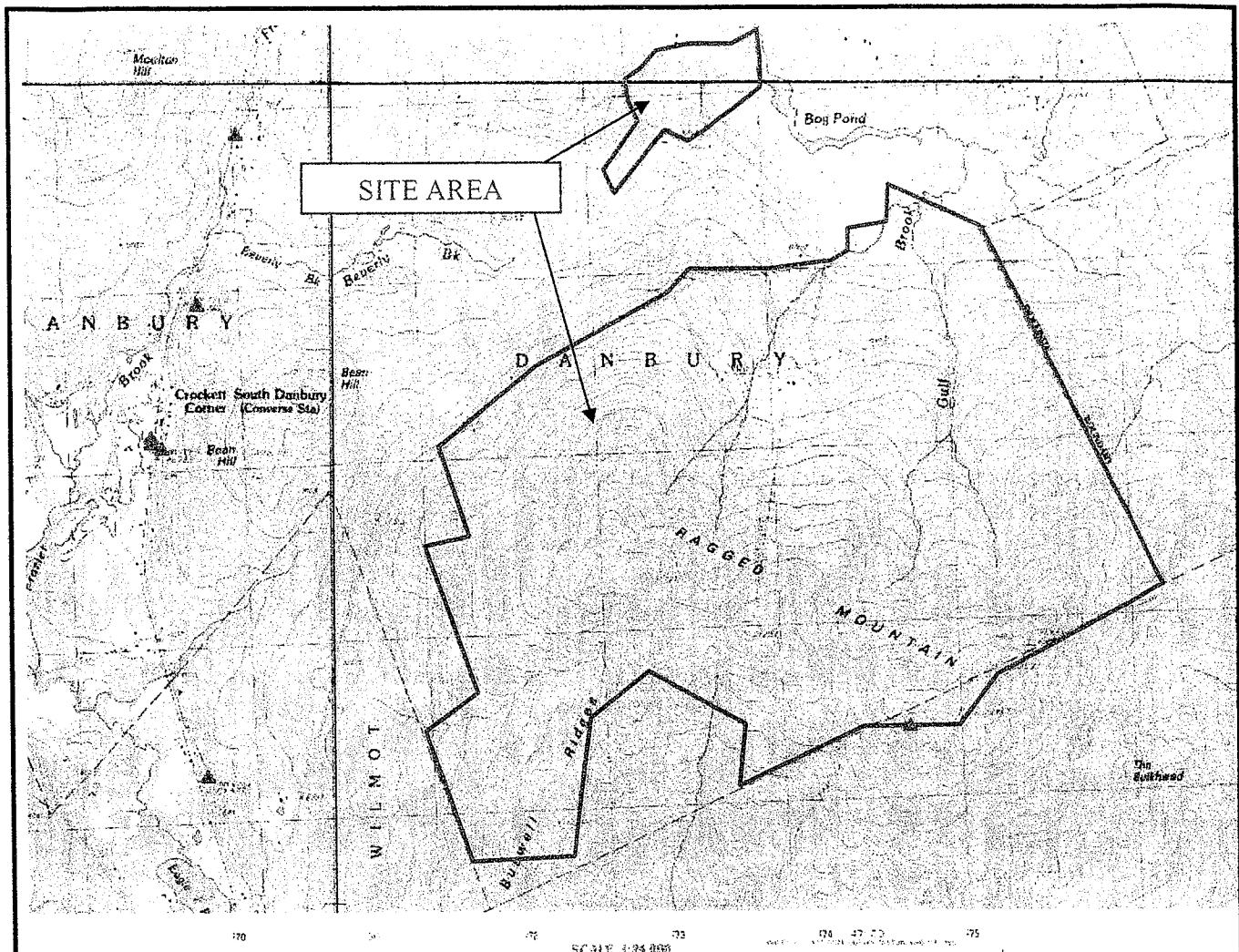
For more information on the New England District Corps of Engineers programs, visit our website at
<http://www.nae.usace.army.mil>.



Frank DelGiudice
Chief, Permits & Enforcement Branch
Regulatory Division

If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____
ADDRESS: _____



PROVISIONAL MAP
Produced from original
manuscript drawings held
with a sheet of old date of
dissemination.

**THE 1870 CENSUS WITH NATIONAL MAP SURVEY INFORMATION
FOR STATE BY U.S. GENEALOGICAL SURVEY**
PRINTED AND INDEXED ON 100% RECYCLED PAPER

| | | | | |
|---|---|--|---|---------------|
| 1 | ? | | 1 | Mr. Kortingen |
| |  | | 2 | Hanselius |
| 4 | | | 3 | Achim |
| | | | 4 | Gorden |
| | | | 5 | Bosch |
| 6 | ? | | 6 | Anna-Louise |
| | | | 7 | Andrea |
| | | | 8 | Eva-Maria |

RAGGED MOUNTAIN EXPANSION

JANUARY 16, 2009

horizons

Engineering^{inc.}

34 School Street
Littleton, NH 03561
(603) 444-4111

Danbury Tax Map 415, Lot 18 (Former lots 18.01-18.15), Map 416, Lots 32, 33, 38-42, 47-60, 60.2 (Fish & Game), 61-64, 66, 72 and 88

Danbury, New Hampshire
Site Locus Map



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RAGGED MOUNTAIN EXPANSION

JANUARY 16, 2009

MAP/LOT

| NAME | MAP/LOT |
|--------------------------------------|---------------|
| JAMES T. MCKINNA REVOCABLE TRUST | 32/24-642-344 |
| PROCTOR ACADEMY | 33/25-513-487 |
| PROCTOR ACADEMY | 33/25-834-460 |
| PROCTOR ACADEMY | 33/26-419-440 |
| DONALD & BRENDA HAYNES | 411/75 |
| ERIK & PAULA ANDERSON | 411/78 |
| JAMES D. PHELPS | 411/80 |
| JAMES D. PHELPS & JOHN G. LANE | 411/81 |
| TOWN OF DANBURY | 411/81,01 |
| RUTH FINCHAM, W/F | 411/82 |
| CHRISTIE M. PHELPS | 415/15 |
| EDDIE L. & CHRISTIE M. PHELPS | 415/17 |
| THE SCHOELLER FAMILY TRUST | 415/19 |
| KATHLEEN A. REED | 415/21 |
| MARYELIN STILES REVOCABLE TRUST | 415/29 |
| GEORGE & JANET STITT | 415/30 |
| DONALD & JOAN DAVIES | 415/31 |
| THOMAS DUFFY | 415/32 |
| CRAIG T. & CYNTHIA WILLIAMS | 415/33 |
| LINFORD E. STILES REVOCABLE TRUST | 415/34 |
| MARYELIN STILES REVOCABLE TRUST | 415/35 |
| LINDA H. FRIEGLANDER, TRUSTEE | 415/36 |
| LINDA HANSBERRY FRIEGLANDER | 415/37 |
| 1990 REVOCABLE TRUST | 415/38 |
| RUSSELL SOUSA & ROSSAND GRAHAM | 416/19 |
| PHELPS CONSTRUCTION, INC. | 416/21 |
| JUNE R. PHELPS | 416/22 |
| CALVIN G. & JEAN E. CARROLL | 416/23-24 |
| RUSSELL THIBAULT & CAROL A. MICHAEL | 416/25 |
| BRETT & KATHY O'CONNOR | 416/26 |
| MARK & DEBRA PHELPS | 416/27 |
| JOANN CURRAN LAMBRECHT | 416/28 |
| WILLIAM D. GARAMELLA, JR. TRUSTEE | 416/34 |
| WILLIAM D. GARAMELLA, JR. TRUSTEE | 416/35 |
| WILLIAM D. GARAMELLA, JR. TRUSTEE | 416/36 |
| LOUIS MACARONAS | 416/37 |
| SHAWN P. & BONNIE FLETCHER | 416/38 |
| LAUREL L. CLARK | 416/39 |
| CROWN ATLANTIC COMPANY | 416/40 |
| NH FISH & GAME DEPARTMENT | 416/40,2 |
| MICHAEL V. & JUNE ADSTUT | 416/46 |
| JOSEPH NOONAN FAMILY TRUST | 416/47 |
| JUDITH N. & STEVEN D. GORDON | 416/48 |
| JOSEPH NOONAN FAMILY TRUST | 416/49 |
| JAMES LARGIN | 416/50 |
| JOSEPH NOONAN FAMILY TRUST | 416/51 |
| ALLEN A. & SHERRY R. FERBER | 416/52 |
| FRANCIS J. STEVEN M. & MICHAEL SMALL | 416/53 |
| DAVID J. BERUBE | 416/54 |
| Dwyer Family Trust | 416/55 |
| JEROME J. & LINDA BENTO | 416/56 |
| RAGGED MOUNTAIN FISH & GAME CLUB | 417/1 |
| NFTL LIMITED PARTNERSHIP | 418/2 |
| MARKLEY H. BOYER | 418/7 |
| RMR PACIFIC, LLC | 419/9 |

ABUTTERS MAP

PROJECT #: 08118 **DRAWN BY:** AJN **ENG'D BY:** AJN **SHEET:** 10

RAGGED MOUNTAIN EXPANSION

JANUARY 16, 2009

RMR PACIFIC, LLC
RAGGED MOUNTAIN
DANBURY, NEW HAMPSHIRE

Principle Wetland Dredge Functions and Dredge Values

| Sheet # | Area (sf) | Stream length (ft) | Stream Area (sf) | Wetland area | Wetland | Classification* | Dredge Values | | | | | | | | | | | | | |
|---------|-----------|--------------------|------------------|--------------|---------|-----------------|---------------|----------------------|------------------------|----------------------------|------------------|-----------------|----------------------------------|------------------|------------|------------------------------|---------------------------|----------------------------|-------|--|
| | | | | | | | Sort | Groundwater Recharge | Floodflow/Acceleration | Fish and Shellfish Habitat | Nutrient Removal | Sediment Export | Sediment/Shoreline Stabilization | Wildlife Habitat | Recreation | Educational/Scientific Value | Visual Quality/Aesthetics | Endangered Species Habitat | Other | |
| 2 | 400 | 0 | 0 | 400 | BP2 | POW/AB/EM1 | Fill | 2 | 2 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | |
| 2 | 19035 | 0 | 0 | 19035 | BPI | PSS1/EM1 | Fill | 2 | 2 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | |
| 4 | 164 | 0 | 0 | 164 | 11A | PFO1/SS1 | Fill | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | |
| 4 | 236 | 0 | 0 | 236 | 11B | PFO1/SS1 | Fill | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | |
| 4 | 2036 | 0 | 0 | 2036 | 11C | PFO1/SS1 | Overstory | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | |
| 5 | 300 | 10 | 100 | 200 | 19D | R3UB1/PSS1/PEM1 | Temporary | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 0 | 1 | 1 | 2 | 0 | |
| 7 | 54335 | 0 | 0 | 54335 | POND A | POWH | Dredge | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 8 | 1596 | 0 | 0 | 1596 | POND A | PFO1 | Fill | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 10 | 3225 | 258 | 2580 | 645 | 11D | R3UB1/PFO1 | Overstory | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | |
| 10 | 2693 | 0 | 0 | 2693 | 11E | PFO1 | Overstory | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | |
| 12 | 567 | 20 | 200 | 367 | 8F | R3UB1/PSS1/EM1 | Temporary | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 0 | 1 | 1 | 2 | |
| 12 | 243 | 20 | 200 | 43 | 8G | R3UB1/PSS1/EM1 | Temporary | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 0 | 1 | 1 | 2 | |
| 12 | 4505 | 0 | 0 | 4505 | 8D | POWH | Fill | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | |
| 15 | 3694 | 372 | 1116 | 2578 | 12C | R4SB3/PFO1 | Overstory | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | |
| 15 | 1735 | 125 | 375 | 1360 | 12D | R4SB3/PFO1 | Overstory | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | |
| 15 | 685 | 0 | 0 | 685 | 12A | PFO1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | |
| 15 | 1120 | 0 | 0 | 1120 | 11F | PFO1 | Overstory | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | |
| 15 | 3084 | 0 | 0 | 3084 | 12B | PFO1 | Overstory | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | |
| 17 | 1614 | 0 | 0 | 1614 | 9A | PSS1/EM1 | Overstory | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 18 | 1007 | 55 | 550 | 457 | 8B | R3UB1/PSS1 | Overstory | 1 | 2 | 1 | 1 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | |
| 18 | 5109 | 296 | 888 | 4221 | 15A | R4SB3/PFO1 | Overstory | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | |
| 18 | 2358 | 0 | 0 | 2358 | 16B | PFO1/FO4 | Overstory | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 19 | 2,380 | 100 | 1000 | 1380 | 6B | R3UB1/PFO1 | Overstory | 2 | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | |
| 19 | 1361 | 65 | 650 | 711 | 7B | R3UB1/PFO1 | Overstory | 2 | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | |
| 19 | 656 | 36 | 360 | 296 | 7C | R3UB1/PFO1/SS1 | Overstory | 2 | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | |
| 19 | 1478 | 89 | 890 | 588 | 8C | R3UB1/PSS1/EM1 | Overstory | 2 | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 1 | |
| 19 | 4288 | 0 | 0 | 4288 | 7A | PFO1 | Overstory | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 19 | 3850 | 0 | 0 | 3850 | 8E | PFO1 | Overstory | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 23 | 4974 | 295 | 2950 | 2024 | 14A | R3UB1/PFO1/FO4 | Overstory | 2 | 1 | 2 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 1 | 2 | |
| 24 | 3439 | 170 | 1700 | 1739 | 10C | R3UB1/PFO1/FO4 | Overstory | 2 | 1 | 2 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 1 | 2 | |
| 26 | 4183 | 161 | 4183 | 0 | 6A | R3UB1 | Overstory | 2 | 1 | 2 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 1 | 2 | |
| 26 | 377 | 38 | 377 | 0 | 8A | R3UB1 | Overstory | 2 | 1 | 2 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 1 | 2 | |
| 29 | 5609 | 0 | 0 | 5609 | 4B | PFO1/FO4 | Overstory | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 29 | 948 | 0 | 0 | 948 | 4C | PFO1/FO4 | Overstory | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 30 | 948 | 0 | 0 | 948 | 4A | PFO1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 31 | 278 | 0 | 0 | 278 | 13A | PFO1 | Overstory | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 33 | 3615 | 184 | 1840 | 1775 | S14 | R3UB1/PFO1/FO4 | Overstory | 2 | 1 | 2 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 1 | 2 | |
| 33 | 1310 | 70 | 700 | 610 | S15 | R3UB1/PFO1/EM1 | Overstory | 2 | 1 | 2 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 1 | 2 | |
| 34 | 1210 | 70 | 210 | 1000 | CP12 | R4SB3/PFO1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | |
| 34 | 2174 | 0 | 0 | 2174 | 10A | PEM1/FO1 | Overstory | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | |
| 34 | 348 | 0 | 0 | 348 | 10B | PEM1/SS1 | Overstory | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | |
| 35 | 1186 | 71 | 213 | 973 | CP13 | R4SB3/PFO1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | |
| 35 | 1898 | 70 | 210 | 1688 | CP21 | R4SB3/PFO1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | |
| 35 | 1440 | 70 | 210 | 1230 | CP22 | R4SB3/PSS1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | |
| 37 | 3957 | 180 | 540 | 3417 | 17A | R4SB1/PFO1/FO4 | Overstory | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | |
| 38 | 897 | 75 | 225 | 672 | 17C | R4SB1/PFO1 | Fill | 1 | 2 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | |
| 38 | 1586 | 74 | 222 | 1364 | 17D | R4SB1/PFO1 | Overstory | 1 | 2 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | |
| 38 | 497 | 0 | 0 | 497 | 1D | PEM1 | Fill | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | |
| 38 | 1525 | 0 | 0 | 1525 | 1E | PEM1 | Fill | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | |
| 39 | 6305 | 177 | 531 | 5774 | 2A | R4SB3/PFO1/FO4 | Overstory | 2 | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | |
| 39 | 2474 | 0 | 0 | 2474 | 4D | PFO4 | Overstory | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 43 | 828 | 67 | 201 | 627 | R1 | R4SB3/PFO1 | Fill | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 44 | 925 | 86 | 258 | 667 | R2 | R4SB3/PFO1 | Fill | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 44 | 1882 | 66 | 198 | 1684 | S1 | R4SB3/PFO1 | Fill | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 45 | 655 | 50 | 150 | 505 | S2 | R4SB3/PFO1 | Fill | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 45 | 120 | 62 | 120 | 0 | S3 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 46 | 660 | 45 | 660 | 0 | S17 | R3UB1 | Overstory | 2 | 1 | 2 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 1 | 2 | |
| 46 | 655 | 0 | 0 | 655 | CP32 | PFO1 | Fill | 2 | 1 | 1 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 1 | |
| 46 | 1308 | 0 | 0 | 1308 | S17A | PFO1 | Fill | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 2 | 0 | |
| 47 | 10049 | 282 | 2820 | 7229 | 17B | R3RB2/PFO1/SS1 | Overstory | 2 | 1 | 2 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 1 | 2 | |
| 48 | 5237 | 0 | 0 | 5237 | 1C | PEM1/OW | Fill | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 48 | 1104 | 0 | 0 | 1104 | 18A | PFO1/EM1 | Overstory | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 49 | 28512 | 0 | 0 | 28512 | 2D | PFO1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | |
| 49 | 2000 | 0 | 0 | 2000 | 2B | PFO1 | Overstory | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | |
| 49 | 508 | 0 | 0 | 508 | 2C | PFO1 | Overstory | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | |
| 52 | 600 | 0 | 0 | 600 | R3 | PEM1/FO1 | Fill | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| 53 | 182 | 80 | 160 | 22 | R5 | R4SB3/PFO1 | Fill | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 54 | 184 | 83 | 166 | 18 | R6 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 54 | 1110 | 120 | 360 | 750 | R7 | PFO1/R4SB3 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | |

Principle Wetland Dredge Functions and Dredge Values

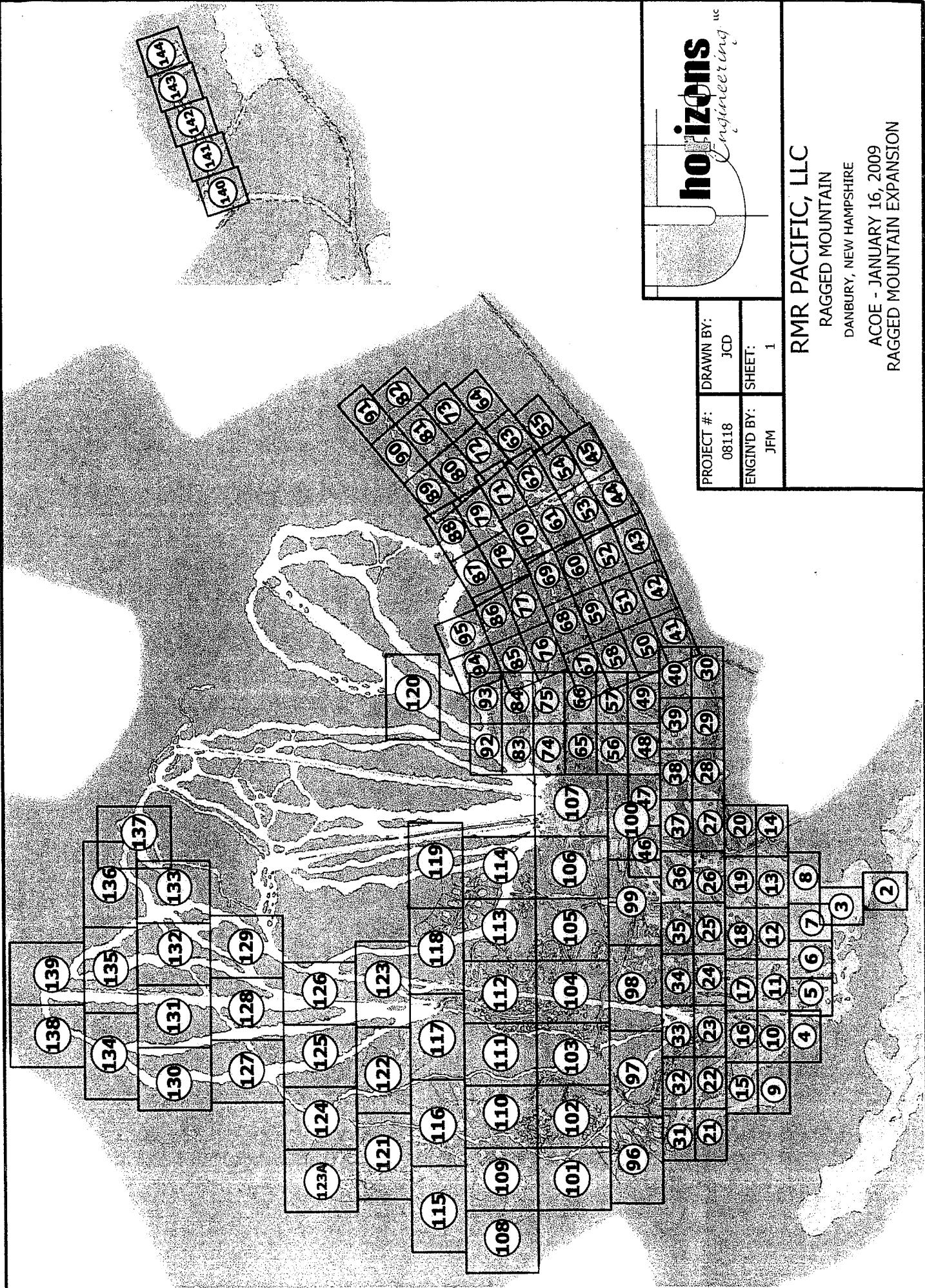
| Sheet # | Area (sf) | Stream length (ft) | Stream Area (sf) | Wetland area | Wetland | Classification* | Sort | Groundwater | Recharge/Storage | Ditch and Sheetflow | Sediment/Toxicant Habitat | Nutrient Removal | Pesticide Export | Sediment/Soilline Stabilization | Wildlife Habitat | Recreation | Educational/Scientific Value | Uniqueness/Heritage | Endangered Species Habitat | Other |
|---------|-----------|--------------------|------------------|--------------|---------|-----------------|-----------|-------------|------------------|---------------------|---------------------------|------------------|------------------|---------------------------------|------------------|------------|------------------------------|---------------------|----------------------------|-------|
| | | | | | | | | Fill | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 55 | 80 | 45 | 80 | 0 | S4 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 55 | 102 | 65 | 102 | 0 | S5 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | 9300 | 0 | 0 | 9300 | 18B | PEM1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 57 | 1296 | 0 | 0 | 1296 | 1A | PEM1 | Fill | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| 57 | 2419 | 0 | 0 | 2419 | 2E | PFO1 | Overstory | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 58 | 884 | 0 | 0 | 884 | R26 | PEM2 | Fill | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 | 1338 | 46 | 138 | 1200 | R18 | R4SB3/PFO1/EM1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 60 | 2788 | 69 | 207 | 2581 | R4 | R4SB3/PFO1/EM1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 60 | 5233 | 48 | 144 | 5089 | S11 | R4SB3/PFO1/EM1 | Fill | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 64 | 75 | 26 | 52 | 23 | R11 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 64 | 194 | 92 | 184 | 10 | S6 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 65 | 2154 | 0 | 0 | 2154 | 1B | PFO1/EM1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 67 | 138 | 0 | 0 | 138 | 3A | PEM2 | Fill | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | 550 | 0 | 0 | 550 | 3B | PFO1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 67 | 1563 | 0 | 0 | 1563 | R15 | PEM2 | Fill | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | 1485 | 0 | 0 | 1485 | R25 | PFO1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | 1320 | 0 | 0 | 1320 | R8 | PFO1/EM2 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 72 | 262 | 88 | 176 | 86 | R10 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 72 | 36 | 36 | 36 | 0 | R9 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 73 | 1062 | 92 | 276 | 786 | S7 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 74 | 404 | 26 | 260 | 144 | R17 | R3SB2/PFO1/SS1 | Temporary | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 1 | 2 | 0 |
| 74 | 133 | 0 | 0 | 133 | R19 | PEM1/SS1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | 1222 | 139 | 417 | 805 | R16 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 75 | 158 | 76 | 158 | 0 | R23 | R4SB3 | Fill | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | 1469 | 101 | 303 | 1166 | R24 | R4SB3/PFO1 | Fill | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | 4845 | 157 | 471 | 4374 | S10 | R4SB3/PFO1 | Fill | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 76 | 1365 | 133 | 399 | 966 | S9 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 76 | 2012 | 0 | 0 | 2012 | S8 | PFO1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 83 | 1246 | 77 | 770 | 476 | PRF | R3RB2/PFO1/SS1 | Overstory | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 83 | 3012 | 0 | 0 | 3012 | PRG | PFO1/SS1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 83 | 18988 | 0 | 0 | 18988 | PRH | PEM1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 83 | 5822 | 0 | 0 | 5822 | PRJ | PEM1/F01 | Fill | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 83 | 765 | 0 | 0 | 765 | PRI | PEM1/F01 | Overstory | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | 5837 | 429 | 4290 | 1547 | PRE | R3RB2/PFO1/FO4 | Overstory | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 84 | 4968 | 785 | 2355 | 2613 | PRA | R4SB3/PFO1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 84 | 6982 | 352 | 1056 | 5926 | PRB | R4SB3/PEM1/FO1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 84 | 491 | 163 | 491 | 0 | PRC | R4SB3/PEM1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 84 | 3100 | 0 | 0 | 3100 | PRD | PEM1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 85 | 84 | 42 | 84 | 0 | R12 | R4SB3 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 85 | 104 | 104 | 104 | 0 | R13 | R4SB3 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 85 | 253 | 0 | 0 | 253 | R14 | PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 92 | 936 | 52 | 520 | 416 | PRL | R3RB2/PFO1/SS1 | Overstory | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 93 | 3050 | 233 | 2330 | 720 | PRK | R3RB2/PFO1/FO4 | Overstory | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 94 | 106 | 106 | 106 | 0 | S53 | R4SB3 | Overstory | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | 2605 | 248 | 2480 | 125 | S54 | R3RB2/PFO1/FO4 | Overstory | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 97 | 1889 | 78 | 780 | 1109 | S21 | R3UB1/PFO1 | Overstory | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 2 | 0 |
| 97 | 267 | 25 | 250 | 17 | CP1 | R3UB1/PFO1/FO4 | Temporary | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 1 | 2 |
| 97 | 505 | 22 | 220 | 285 | CP2 | R3UB1/PFO1/FO4 | Temporary | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 1 | 2 | 0 |
| 97 | 646 | 69 | 646 | 0 | CP3 | R4SB3 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 97 | 493 | 78 | 493 | 0 | CP4 | R4SB3 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 97 | 1065 | 40 | 1065 | 0 | S20 | R4SB3 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 98 | 665 | 39 | 117 | 548 | CP11 | R4SB3/PFO1/SS1 | Fill | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 98 | 2275 | 75 | 225 | 2050 | CP5 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 98 | 2763 | 178 | 534 | 2229 | CP7 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 98 | 1576 | 60 | 180 | 1396 | CP8 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 98 | 2714 | 70 | 210 | 2504 | CP9 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 99 | 1022 | 70 | 210 | 812 | CP23 | R4SB3/SS1 | Fill | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 99 | 2448 | 70 | 210 | 2238 | CP24 | R4SB3/PSS1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 99 | 2825 | 70 | 210 | 2615 | CP25 | R4SB3/PFO1 | Fill | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 99 | 265 | 33 | 99 | 166 | CP27 | R4SB3/PSS1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 99 | 2870 | 70 | 210 | 2660 | CP28 | R4SB4/PFO1 | Fill | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 99 | 12644 | 270 | 1350 | 11294 | S22 | R4SB4/PFO1/FO4 | Overstory | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 99 | 150 | 0 | 0 | 150 | CP26 | PSS1/EM1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 99 | 145 | 0 | 0 | 145 | CP29 | PFO1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 99 | 1597 | 0 | 0 | 1597 | S43 | PFO1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 100 | 318 | 20 | 200 | 118 | CP30 | R3UB1/PFO4 | Temporary | 2 | 1 | 1 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 1 | 0 |
| 100 | 238 | 20 | 200 | 38 | CP31 | R3UB1/PFO4 | Temporary | 2 | 1 | 1 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 1 | 0 |
| 100 | 1454 | 0 | 0 | 1454 | CP33 | PEM1 | Fill | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 101 | 659 | 63 | 189 | 470 | S23 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

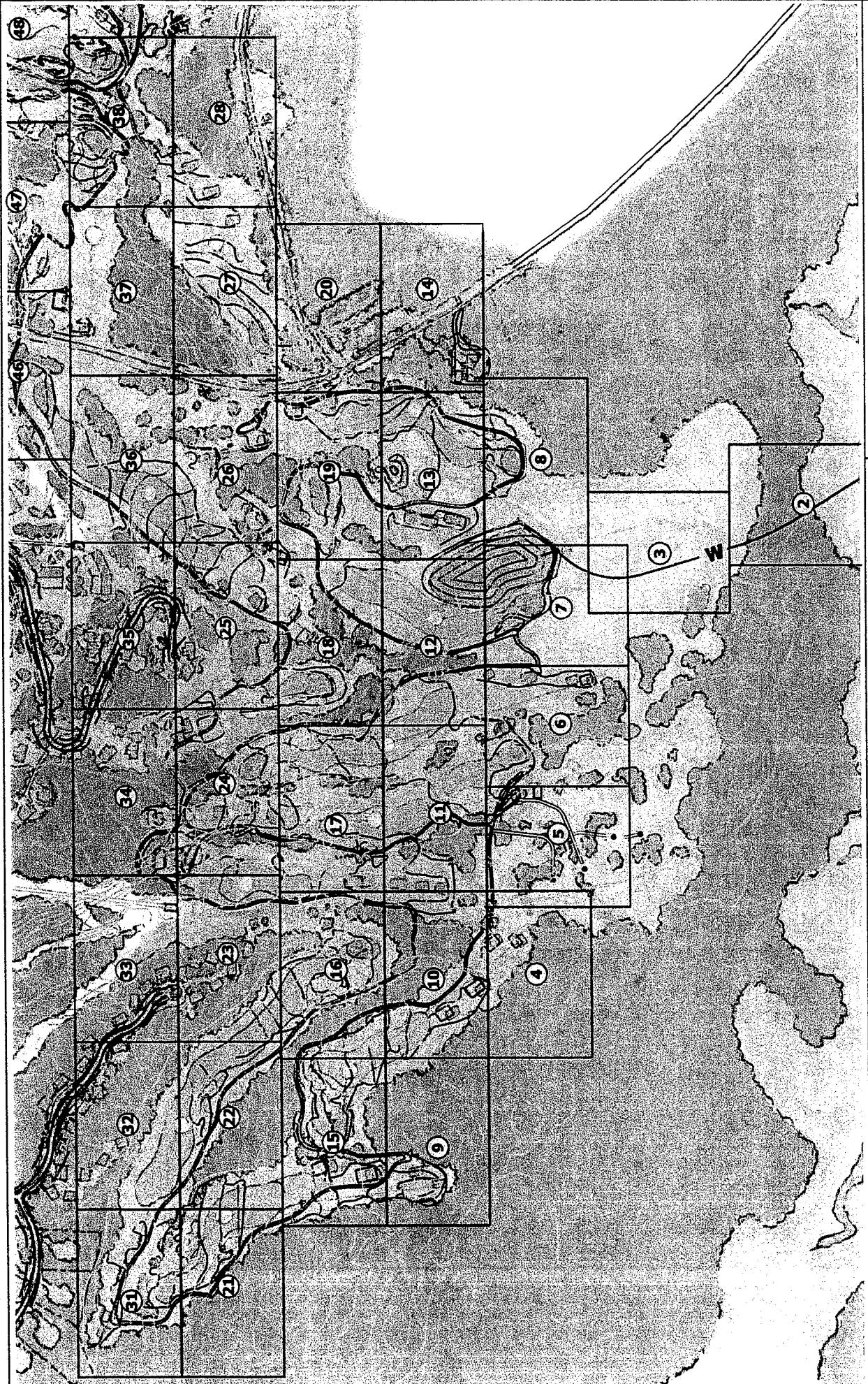
Principle Wetland Dredge Functions and Dredge Values

| Sheet # | Area (sf) | Stream length (ft) | Stream Area (sf) | Wetland area | Wetland | Classification* | Sort | Wetland Functions | | | | | | | | | | | | | |
|---------|-----------|--------------------|------------------|--------------|---------|-----------------|-----------|----------------------|----------------------|----------------------------|---------------------------|------------------|----------------------|------------------|------------|---------------------------|---------------------|---------------------------|----------------------------|-------|---|
| | | | | | | | | Groundwater Recharge | Peakflow Attenuation | Fish and Shellfish Habitat | Sediment/Toxicant Removal | Nutrient Removal | Sediment/Soil Export | Wildlife Habitat | Recreation | Educational/Stabilization | Uniqueness/Heritage | Visual Quality/Aesthetics | Endangered Species/Habitat | Other | |
| 102 | 269 | 45 | 269 | 0 | S24 | R4SB3 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 103 | 1036 | 35 | 350 | 686 | S25 | R3UB1/PFO1/EM1 | Overstory | 2 | 1 | 2 | 0 | 0 | 2 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 0 |
| 103 | 259 | 20 | 200 | 59 | CP39 | R3UB1/PFO1/FO4 | Temporary | 2 | 1 | 2 | 0 | 0 | 2 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 0 |
| 103 | 1645 | 70 | 210 | 1435 | CP36 | R4SB3/PFO4 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 | 100 | 12 | 36 | 64 | CP37 | R4SB4/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 | 374 | 34 | 102 | 272 | CP38 | R4SB4/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 | 1322 | 0 | 0 | 1322 | CP40 | PFO1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 | 375 | 0 | 0 | 375 | CP41 | PEM1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | 429 | 13 | 39 | 390 | CP6 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | 1677 | 257 | 1677 | 0 | CP43 | R4SB3 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | 45 | 12 | 36 | 9 | CP44 | R4SB3/PFO1/FO4 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | 1740 | 74 | 222 | 1518 | CP45 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | 904 | 70 | 210 | 694 | CP46 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | 309 | 46 | 138 | 171 | CP47 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | 2930 | 255 | 2930 | 0 | S44 | R4SB3 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | 927 | 0 | 0 | 927 | CP42 | PEM1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | 354 | 0 | 0 | 354 | S26 | PFO1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | 3895 | 0 | 0 | 3895 | S27 | PFO1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | 859 | 139 | 859 | 0 | CP48 | R4SB3 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | 3838 | 75 | 225 | 3613 | CP52 | R4SB3/PFO1/FO4 | Fill | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | 1080 | 80 | 240 | 840 | S28 | R4SB3/PFO1/FO4 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | 157 | 0 | 0 | 157 | CP49 | PFO1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | 1455 | 0 | 0 | 1455 | CP50 | PFO1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | 1410 | 229 | 1410 | 0 | CP53 | R4SB3 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | 10033 | 234 | 702 | 9331 | CP54 | R4SB1/PEM1/SS1 | Fill | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | 177 | 52 | 177 | 0 | CP55 | R4SB3 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | 1100 | 225 | 1100 | 0 | CP56 | R4SB3 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | 342 | 62 | 342 | 0 | S29 | R4SB3 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | 1748 | 0 | 0 | 1748 | S45 | PEM1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | 3507 | 0 | 0 | 3507 | CP57 | PEM1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | 10465 | 0 | 0 | 10465 | CP58 | PEM1/PFO1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | 2550 | 0 | 0 | 2550 | CP59 | PFO4 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 109 | 429 | 165 | 429 | 0 | CP60 | R4SB3 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 109 | 140 | 70 | 140 | 0 | CP61 | R4SB3 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 | 160 | 38 | 114 | 46 | CP62 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 | 807 | 120 | 360 | 447 | CP63 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 | 572 | 70 | 210 | 362 | CP65 | R4SB3/PFO4 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 | 347 | 36 | 108 | 239 | S30 | R4SB3/PFO4 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 | 600 | 0 | 0 | 600 | CP64 | PFO1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 | 966 | 0 | 0 | 966 | CP66 | PFO1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 112 | 1086 | 75 | 225 | 861 | CP67 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 112 | 448 | 20 | 60 | 388 | CP68 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 112 | 890 | 65 | 195 | 695 | S31 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 112 | 584 | 0 | 0 | 584 | CP69 | PEM1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 113 | 820 | 0 | 0 | 820 | CP70 | PEM1/SS1 | Fill | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 | 138 | 0 | 0 | 138 | CP71 | PFO1/SS1 | Fill | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 | 857 | 0 | 0 | 857 | CP72 | PFO1 | Fill | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 113 | 2382 | 0 | 0 | 2382 | CP73 | PFO1 | Fill | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 114 | 272 | 25 | 75 | 197 | CP75 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 | 834 | 0 | 0 | 834 | CP74 | PEM1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 116 | 1436 | 76 | 228 | 1208 | CP76 | R4SB3/PFO4 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 116 | 282 | 40 | 120 | 162 | S49 | R4SB3/PFO4/FO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 117 | 1508 | 116 | 1160 | 348 | S33 | R3UB1/PFO1/FO4 | Overstory | 1 | 1 | 2 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 0 |
| 117 | 263 | 20 | 263 | 0 | CP79 | R3UB1 | Temporary | 1 | 1 | 2 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 0 |
| 117 | 5695 | 0 | 0 | 5695 | CP77 | PFO1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 117 | 3570 | 0 | 0 | 3570 | CP78 | PFO1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 117 | 1932 | 0 | 0 | 1932 | S32 | PFO1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 118 | 345 | 36 | 108 | 237 | S34 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 118 | 2005 | 98 | 294 | 1711 | S35 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 118 | 5017 | 280 | 840 | 4177 | S36 | R4SB3/PFO1 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 118 | 372 | 0 | 0 | 372 | CP80 | PEM1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 118 | 710 | 0 | 0 | 710 | S46 | PEM1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 121 | 273 | 60 | 180 | 93 | S37 | R4SB3/PFO1 | Overstory | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 122 | 380 | 28 | 280 | 100 | S50 | R3UB1/PFO4 | Overstory | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 0 |
| 122 | 712 | 45 | 450 | 262 | CP81 | R3UB1/PFO4 | Temporary | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 0 |
| 122 | 1139 | 86 | 258 | 881 | CP82 | R4SB3/PFO4 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 122 | 612 | 45 | 135 | 477 | S38 | R4SB3/PFO4 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 123 | 1115 | 119 | 1115 | 0 | S39 | R3UB1/PFO1 | Overstory | 1 | 0 | 2 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 0 |
| 123 | 444 | 60 | 444 | 0 | S40 | R3UB1/PFO1 | Overstory | 1 | 0 | 2 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 0 |

Principle Wetland Dredge Functions and Dredge Values

| Sheet # | Area (sf) | Stream length (ft) | Stream Area (sf) | Wetland area | Wetland | Classification* | Sort | Groundwater | Recharge/Drainage | Floodflow Attenuation | Fish and Shallow Habitat | Nutrient Removal | Sediment Removal | Sediment Export | Shoreline Stabilization | Wildlife Habitat | Recreation | Educational/Scientific Value | Visual Quality/Aesthetics | Endangered Species Habitat | Other |
|---------|-----------|--------------------|------------------|--------------|---------|-----------------|-----------|-------------|-------------------|-----------------------|--------------------------|------------------|------------------|-----------------|-------------------------|------------------|------------|------------------------------|---------------------------|----------------------------|---------|
| | | | | | | | | Wetland | Wetland | Wetland | Wetland | Wetland | Wetland | Wetland | Wetland | Wetland | Wetland | Wetland | Wetland | Wetland | Wetland |
| 123 | 370 | 40 | 370 | 0 | S51 | R3UB1/PFO1/FO4 | Overstory | 1 | 0 | 2 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 0 |
| 123 | 1910 | 177 | 531 | 1379 | S47 | R4SB3/PFO1 | Overstory | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 124 | 1152 | 57 | 171 | 981 | S41 | R4SB3/PFO4 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 124 | 615 | 138 | 615 | 0 | S42 | R4SB3 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 124 | 160 | 40 | 120 | 40 | S48 | R4SB3/PFO4 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 126 | 1134 | 0 | 0 | 1134 | S52 | PSS1 | Fill | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 133 | 234 | 120 | 234 | 0 | S55 | R4SB3 | Fill | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 142 | 183 | 0 | 0 | 183 | R20 | PEM1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 142 | 197 | 0 | 0 | 197 | R21 | PSS1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 143 | 1864 | 0 | 0 | 1864 | R22 | PSS1 | Fill | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

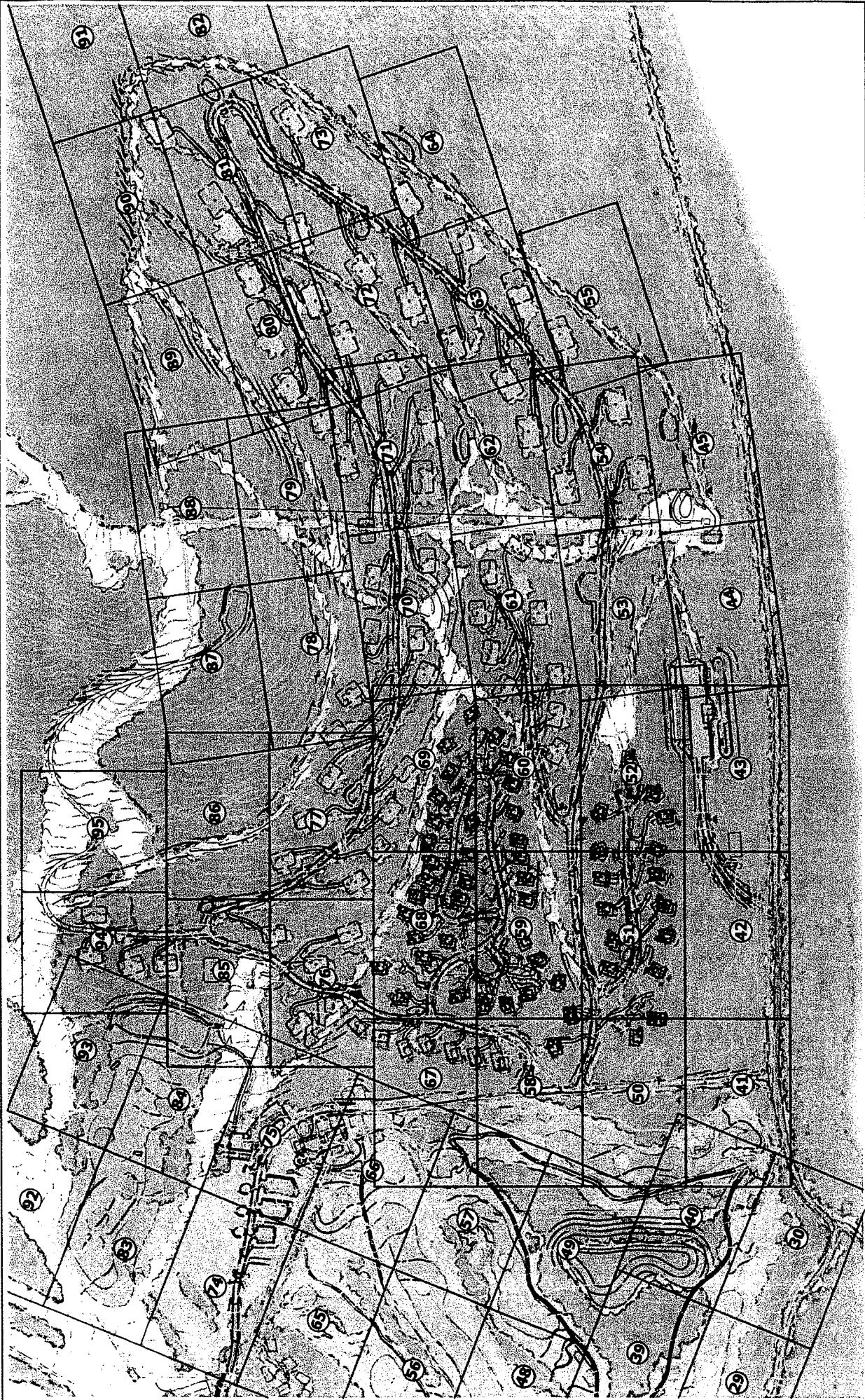




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RAGGED MOUNTAIN EXPANSION

horizons
Engineering Inc.

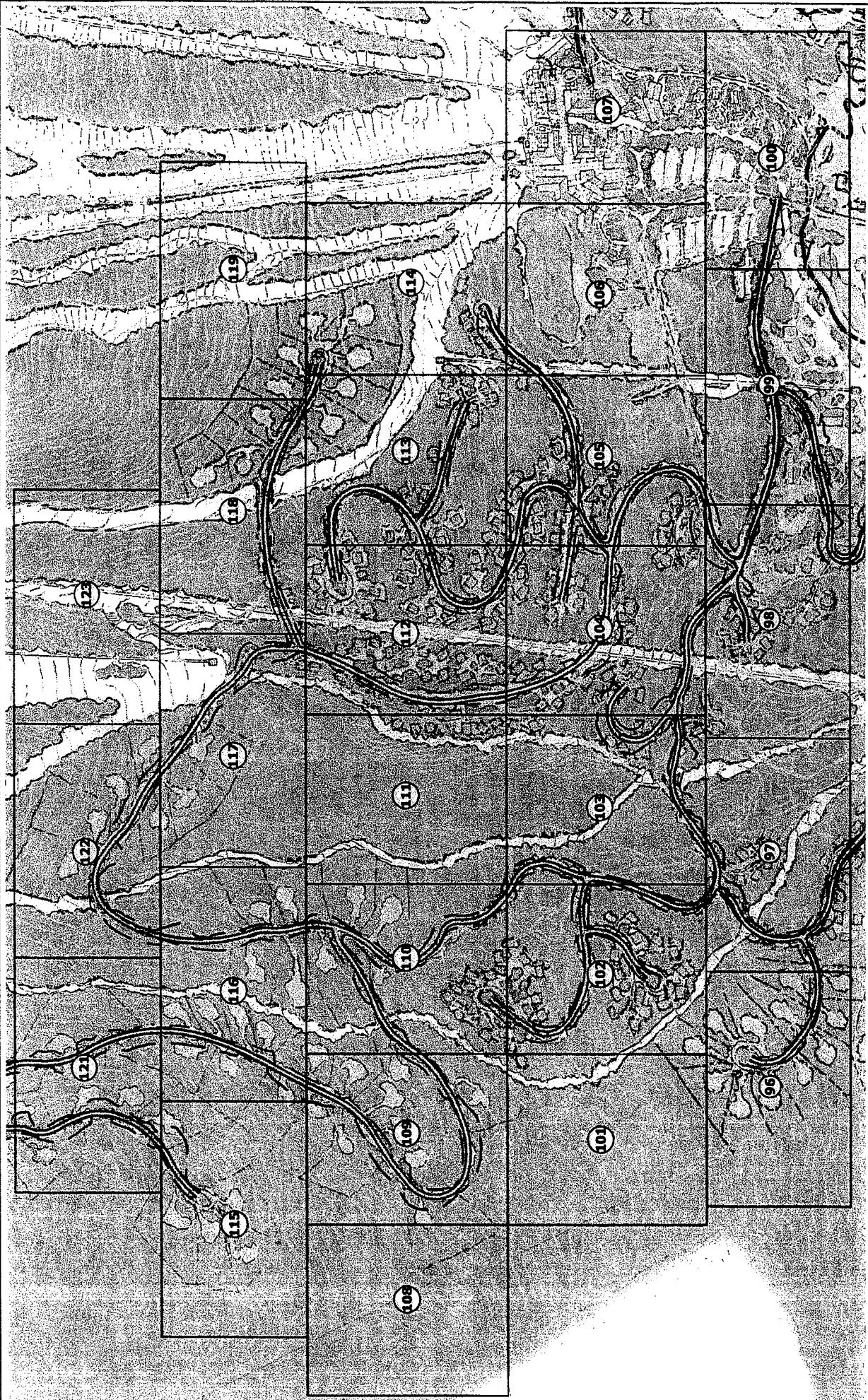
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| 08118 | JCD |
| ENGND BY: | Sheet: |
| JFM | 1A |



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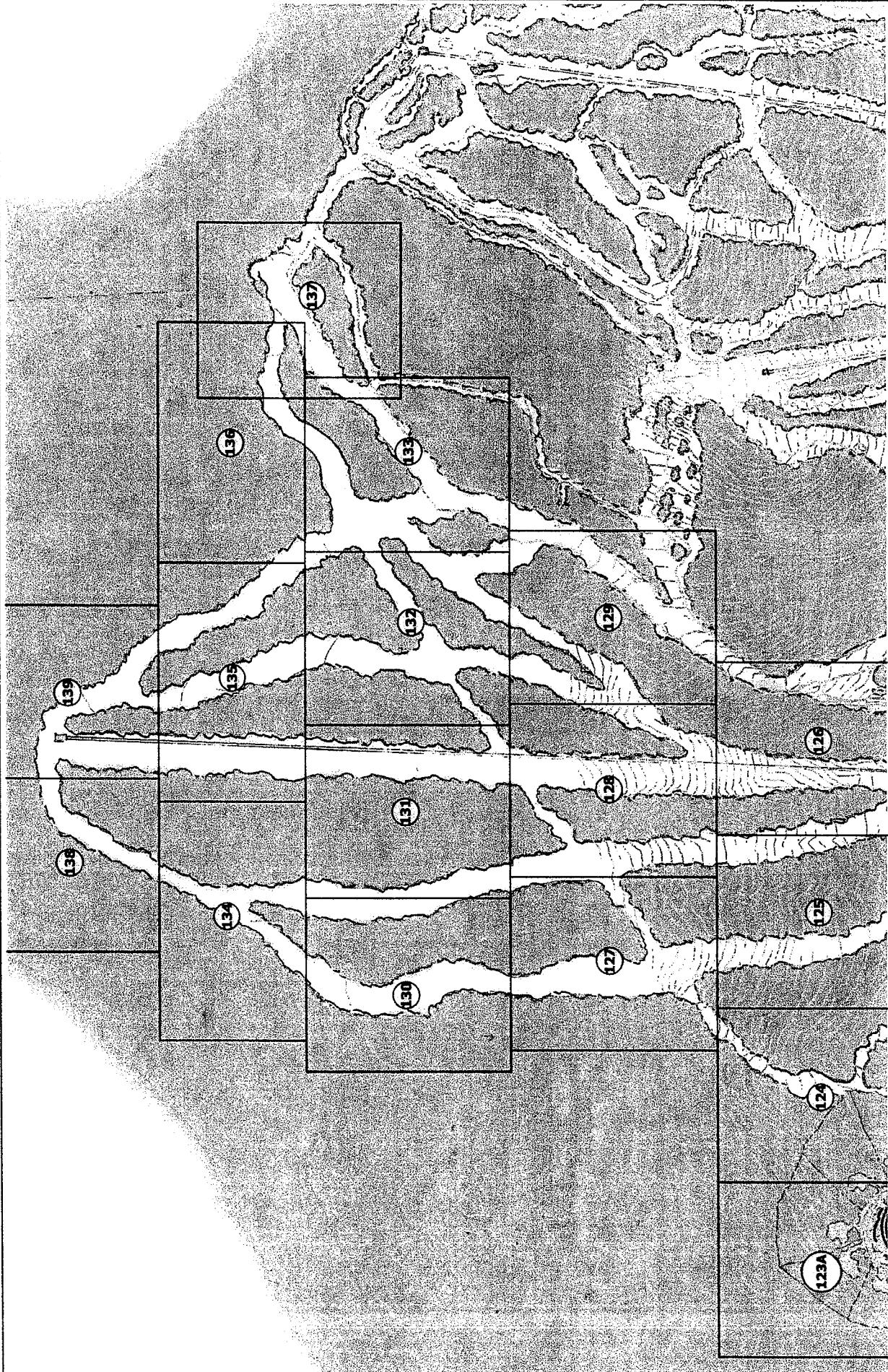
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| ENG'D BY: | SHEET: |
| JFM | 1B |



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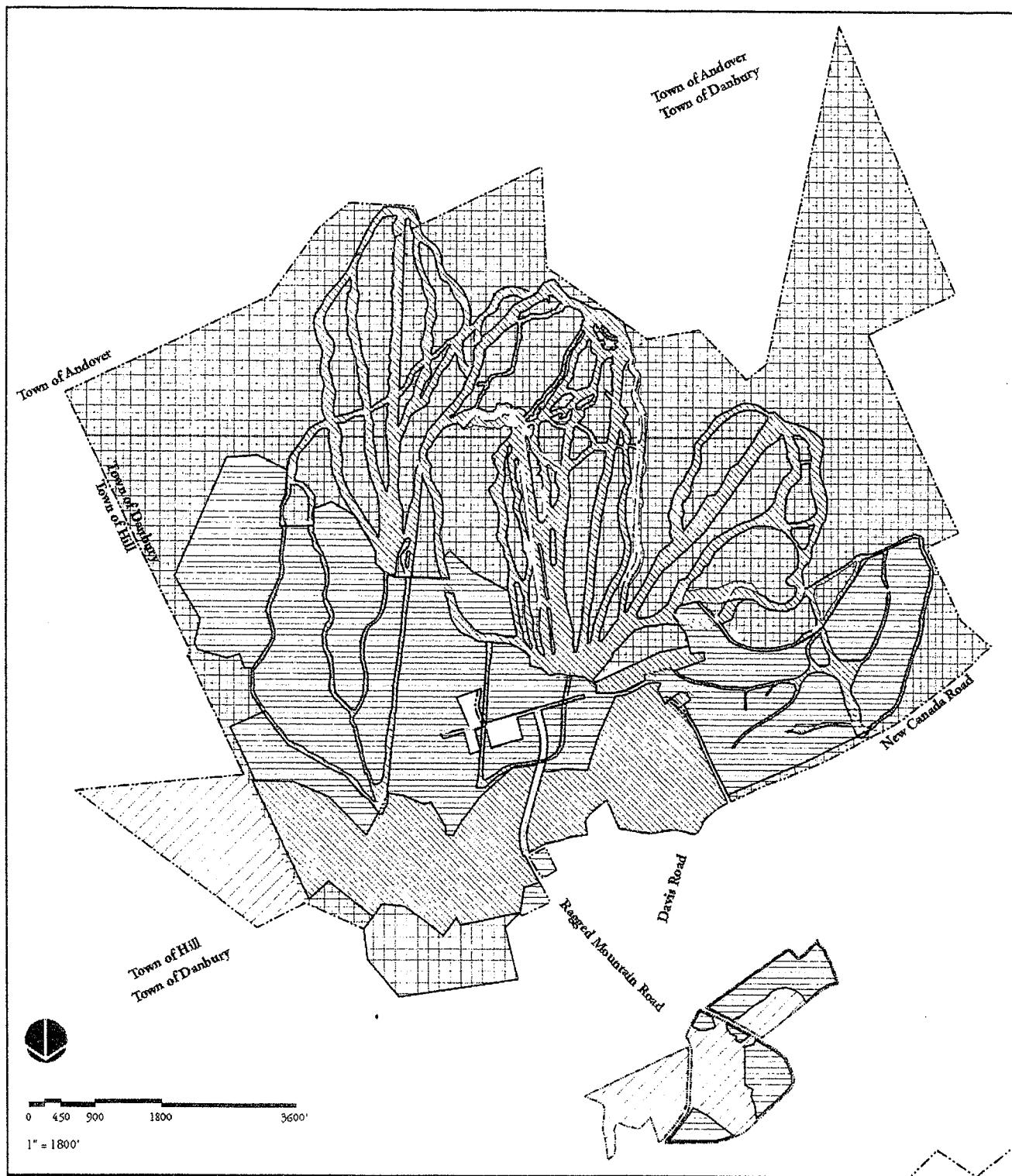


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| ENG'D BY: | SHEET: |
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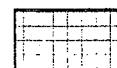
RAGGED MOUNTAIN MITIGATION



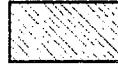
Legend



Forest near summit of Ragged Mountain



Compensatory Mitigation Area



Ski and Golf Lands



Lands near Bog Pond



Preserved lands within RM residential development

**RAGGED MOUNTAIN
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Figure 3-2. Ragged Mountain Conservation Land Program
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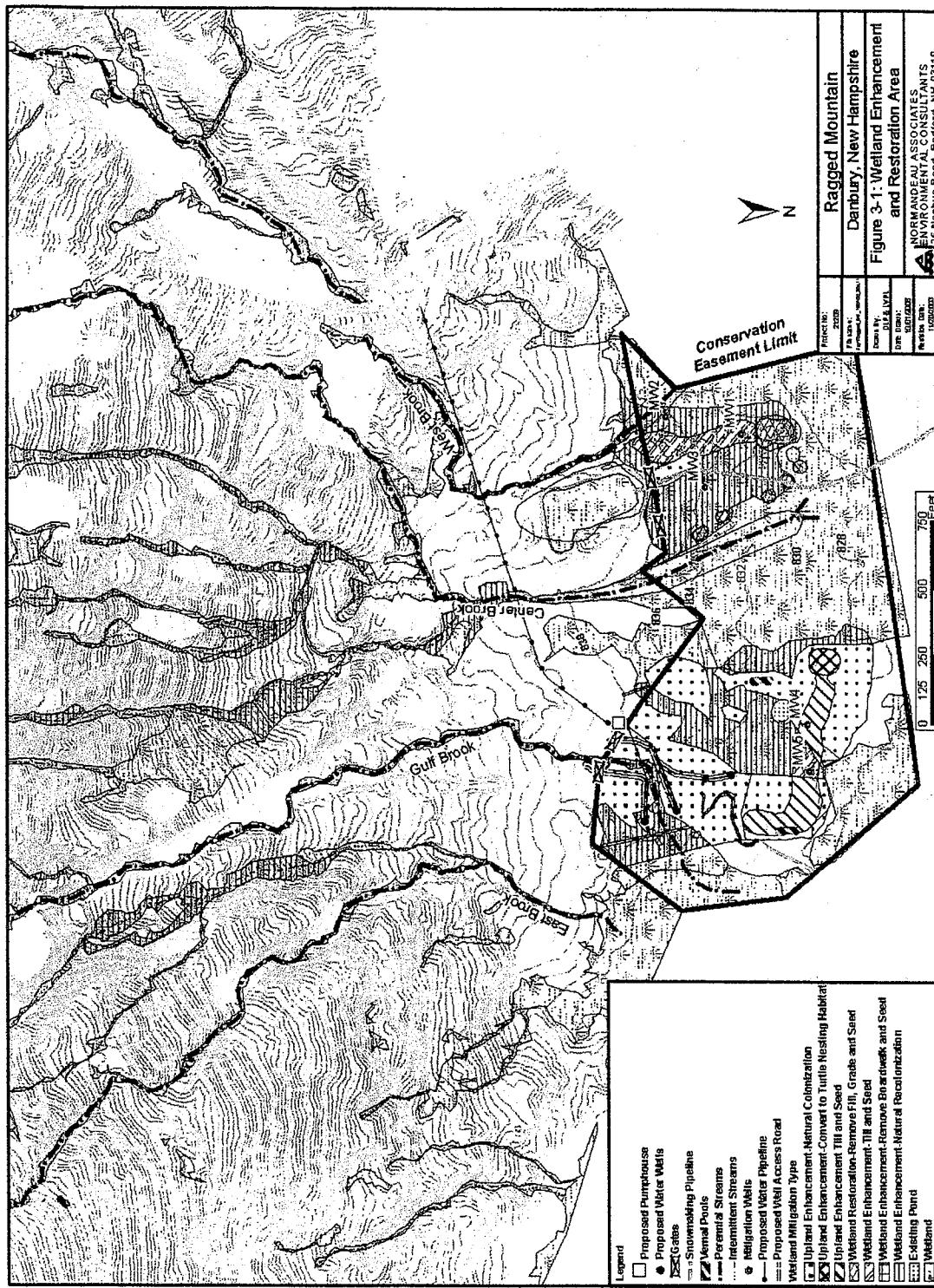


Figure 3-1. Areas proposed for restoration and enhancement at Ragged Mountain.

Normandeau Associates, Inc.

RAGGED MOUNTAIN EXPANSION

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